

Manufacturing Partner for:



Your UV partner

General catalogue

SITAUV Since 1982



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The Sita UV system has many applications.



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Hotel

SMP
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Food & Beverage

AM
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Pharmaceutical Industry

AM
400



Horticulture

SMP
AM
400



Soft drinks

SSB
SMP



Spa & small pool

SMP3
UV Pool



Naval industry

SMP
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Swimming pools

SMP
UV Pool



Aquariums

HDPE



Fish farms

SMP
HDPE



Surface and air disinfection

SITAIR



Snowmaking

SMP



UV CHAMBERS

- Different IN/OUT
- DIN/CLAMP Sanitary Connections
- Specific rugosity
- FDA Kit
- Electropolishing
- Coating for corrosive fluid
- Predisposition for hot water
- Flow Sensor /Flow Switch
- Skid anchorage plates



UV PANELS

- Panel IP grade
- ONORM/DVGW Sensor
- Outdoor Installation
- SS Cabinet
- Plastic Cabinet
- Different RAL color
- Longer Cables
- Different Power Supply
- UL508A Certificate
- Power Regulation
- Duty&Stand by with auto slot swap function



FILTERS

- Different IN/OUT
- DIN/CLAMP Sanitary Connections
- Different Rugosity
- FDA KIT
- Electropolishing
- Sea water Coating
- Back Washing
- Predisposition for hot water
- Cap Lifting System
- Skid anchorage plates



SITAIR UV

- Shatter Proof Lamp
- Customised Unit
- SITAIR IP Grade

TESTER LAMP

Easy instrument to check if your UV lamps works properly. Touching it simply test the integrity of the gass filled in low and medium pressure UV lamps. The gas inside the lamp will be ionized and shuold give a blue light.
Main supply 9V - battery.



UVT PORTABLE METER

Perfect instrument to measure UVT value on site. From waste water to drinking water in less than 1 minute of warm up your SITA portable UVT meter is able to measure real Ultra-Violet trasmittance value. This is the ideal tool for every UV expert. The UVT meter is delivered in a convenient case.



UV REFERENCE RADIOMETER

Portable measurement for UV-C irradiation. Perfect instrument to calibrate Your UV sensor. Ideal tool for maintenance. It can also be used to check UV lamps of SITAIR units. The SITA reference radiometer is delivered in a convenient case.



UVT ONLINE SENSOR

The state of the art UVC trasmittance online sensor. This device measure the transmittance value inside of the UV plants. UVT online sensor can also be installed in a pressurized pipeline (max 10 bar) by welding a tri- clamp connection. Made in titanium, this instrument is provided with an air blast cleaning system. This system can be easily connected to SITA TC panel.



The UV disinfection systems of the DOMESTIC SERIES are the smallest equipments manufactured by us, both for dimensions and for capacity of treated water.

Being characterized by compactness and easy in installation/servicing, they have been specially studied for single users, flats or as a fundamental completion of other equipments (small reverse osmosis systems, coolers, water dispensers, and so on).

APPLICATIONS



DRINKING WATER

	UV 107 AL	UV 403 AL
Max. flow rate (l/min)	5	10
Lamps	1	1
Lamp life	9.000 hrs	
Electrical consumption (W ± 2%)	12	16
UV-C Dose (J/m ²) @ UVT 99% - 1cm	> 300 J/m ²	
Manifold material	AISI 304	
Max. pressure (bar)	10 bar	
IN-OUT connection	1/8" F	1/2" M
Electrical supply	230V-50/60Hz	



UV 107



UV 403

	UV 405 AL-AL ²	UV 405 C AL-AL ²	UV 412 AL-AL ²
Max. flow rate (l/min)	20	30	45
Lamps	1	1	1
Lamp life	9.000 hrs		
Electrical consumption (W ± 2%)	30	33	40
UV-C Dose (J/m ²) @ UVT 99% - 1cm	300		
Manifold material	AISI 304 (AISI 316 L on request)		
Max. pressure (bar)	10		
IN-OUT connection	3/4" M	3/4" M	1" M
Electrical supply	230V-50/60Hz		

ELECTRICAL PANEL	AL	AL ²
Digital display	✗	✓
Day counter	✗	✓
Resettable day counter	✗	✓
Alarm red led	✓	✗
Acoustic buzzer	✗	✓
Electrical plug	schuko / UK / no plug	





UV 405



UV 405C



UV 412



UV 450



UV 440 UV 480

UV LCD ² SERIES	UV 405	UV 405C	UV 412	UV 440	UV 450	UV 480	550	80/2
Max. flow rate (l/min)	20	30	45	60	75	85	100	200
UV-C Dose (J/m ²) @ UVT 99% - 1cm	300	300	300	300	300	300	400	400
Lamps	1	1	1	1	2	1	2	2
Lamp life	9,000 hrs							
Electrical consumption (W ± 2%)	30	33	40	40	80	80	80	160
Manifold material	AISI 304 (AISI 316 L on request)							
Max. pressure (bar)	10							
IN-OUT connection	3/4" M	3/4" M	1" M	1 1/2" M	1" M	1 1/2" M	1 1/2" M	1 1/2" M
Electrical supply	230V-50/60Hz							
Manual cleaning system	×	×	×	OPT	×	OPT	OPT	OPT
Electrical panel dimensions (mm)	215x215x90							



LCD2 (PLUS)

ELECTRICAL PANEL	LCD ²
Protection degree	IP 55
LCD ² Display (microprocessor control)	✓
Total hour-meter	✓
Resettable count down hour-meter	✓
Alarm red led	✓
Alarm relay Free Contact NO / NC	✓
Alarm relay 230 V NO / NC outlet - 2 A max	✓
On/Off Timer	✓
Remote On/Off contact	✓
Display of Irradiation /temperature control	Only Plus Version
Shutdown for high temperature UV chamber	Only Plus Version
4/20 mA output	Optional only for Plus Version
Electrical plug	schuko / UK / no plug

RACK LCD²

The UV RACK LCD² series uses 80W low pressure lamps. These UV units are composed by an int./ext polished stainless steel UV reactor and a control panel with microprocessor.

APPLICATIONS



DRINKING WATER



FOOD & BEVERAGE



UV 80/3

RACK LCD2 SERIES	UV 80/3	UV 80/4	UV 80/5
Max. flow rate (m ³ /h)	20	30	40
UV-C dose @ UVT 99% - 1cm	> 400 J/m ² (9.000 h)		
Lamps	3	4	5
Lamp life	9.000 hrs		
Power consumption (W± 2%)	240	320	400
Manifold material	AISI 304 (316 L)		
Max. pressure	10 bar		
IN-OUT connections	2" M	DN80	DN80
Manual cleaning system	OPT	OPT	OPT
Electrical supply	230 V - 50/60 Hz		
Electrical panel dimensions (mm)	400x300x200		

ELECTRICAL PANEL

RACK LCD²

Protection degree	IP 55
LCD ² Display (microprocessor control)	✓
Total hour-meter	✓
Resettable count down hour-meter	✓
Alarm red led	✓
Alarm relay Free Contact NO / NC	✓
Alarm relay 230 V NO / NC outlet - 2 A max	✓
On/Off Timer	✓
Remote On/Off contact	✓
Display of Irradiation /temperature control	Only Plus Version
Shutdown for high temperature UV chamber	Only Plus Version
4/20 mA output	Optional only for Plus Version



Main feature of AM series is the powerful amalgam lamp. Every system is able to treat a high flow rate with few lamps. The "L" shape configuration gives the possibility to install the system both vertical and horizontal.

APPLICATIONS



DRINKING WATER



PHARMACEUTICAL INDUSTRY



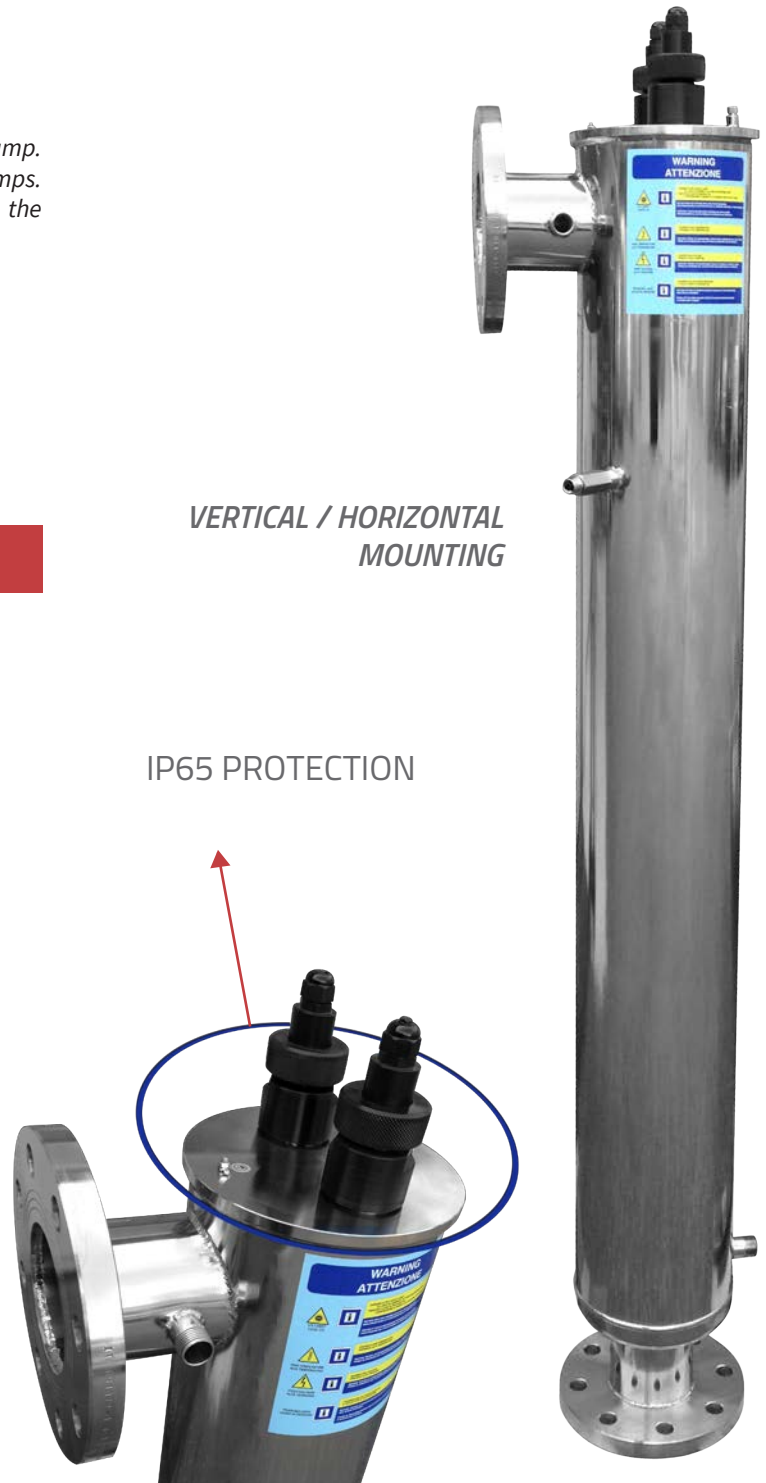
HORTICULTURE



FOOD & BEVERAGE

VERTICAL / HORIZONTAL MOUNTING

IP65 PROTECTION



AM SERIES	AM 24	AM 50	AM 60	AM 96	AM 125	AM 160
Max. flow rate (m ³ /h)	24	50	60	96	125	160
	> 400 J/m ² (12.000 h)					
Lamps	1	2	2	3	4	4
Lamp life	14.000 hrs					
Manifold material	AISI 304 (316L)			AISI 316L		
IN-OUT connections (PN 10)	2" M	DN 80	DN 80	DN 100	DN 150	DN 150
Max. pressure	10 bar					
Openable side	✗	✗	✗	✓	✓	✓
Manual cleaning system	OPT	✗	OPT	✗	✗	✗
Automatic Wiper	Optional (RA Version)					
Electrical Panel	RACK LCD ²			TC		
Electrical supply	230 V - 50/60 Hz					
Power consumption (W ± 2%)	220	440	440	660	880	880
Electrical panel: dimensions (mm)	400x300x200			400x500x250		750x400x250

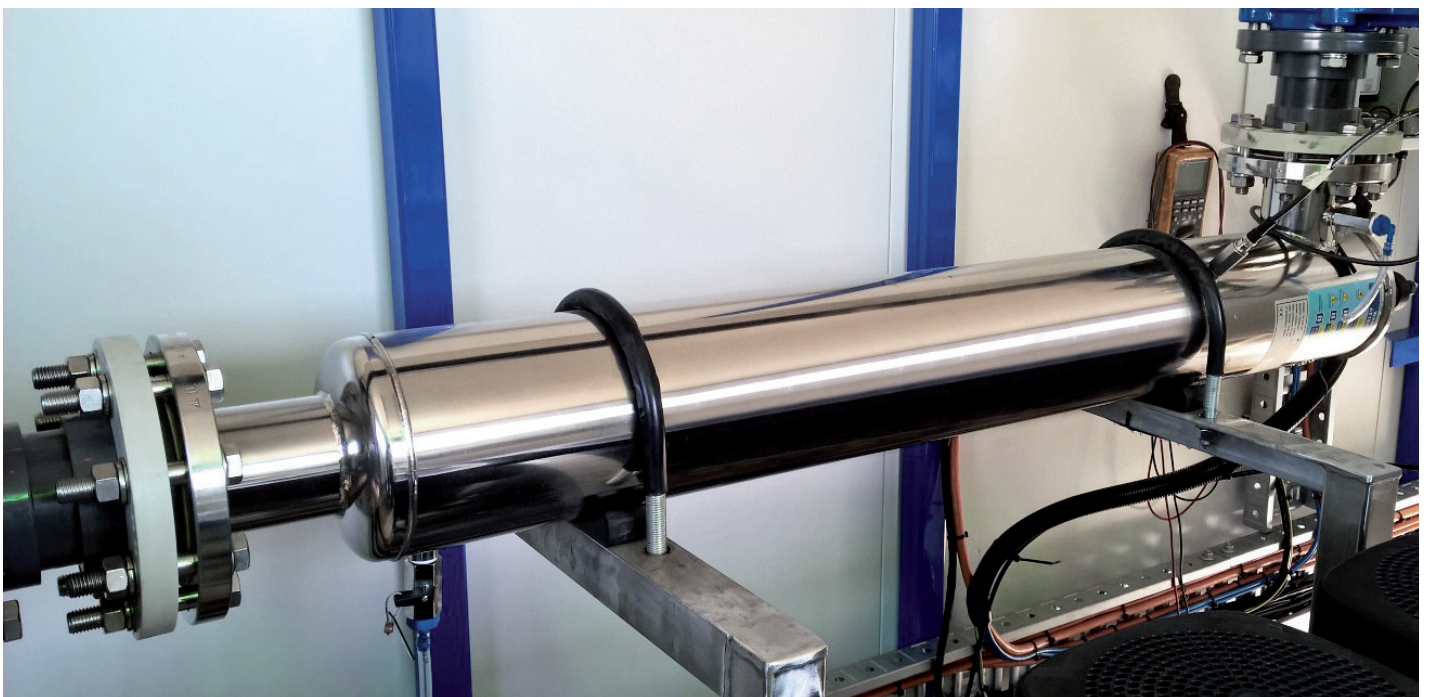


RACK LCD2 PANEL
AM 24-50-60



TC PANEL
AM 96-125-160

ELECTRICAL PANEL	RACK LCD ²	TC
Protection degree	IP 54	IP 54
LCD ² Display (microprocessor control)	✓	✗
SITA Touch-Screen (65000 colors)	✗	✓
Multi language display	✗	✓
Hour meters (system and lamp life)	✓	✓
Red led of anomaly	✓	✗
Alarm relay Free Contact NO / NC	✓	✓
Digital outputs	✗	✓
Alarm relay 230 V NO / NC outlet – 2 A max	✓	✓
Display of Irradiation /temperature control	Only Plus Version	✓
Remote on/off	✓	✓
4/20 mA output	Optional only for Plus Version	✓
Timer ON/OFF	✓	✓
Datalog – Events	✗	✓
CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)	Remote access with App or WebGate	✓
UV dose calculation	✗	✓
Lamp power regulation	✗	Optional only for Plus Version
	✓	Optional from AM 96



400

Main feature of 400 series is the powerful amalgam lamp. We can treat flow from 50 up to 1.400 m³/h. UV reactor is made entirely in stainless steel 316L and has an horizontal configuration.



APPLICATIONS



DRINKING WATER



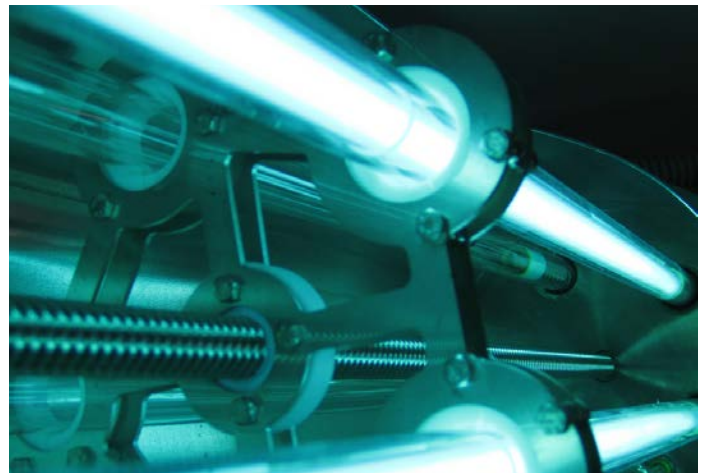
PHARMACEUTICAL INDUSTRY



HORTICULTURE

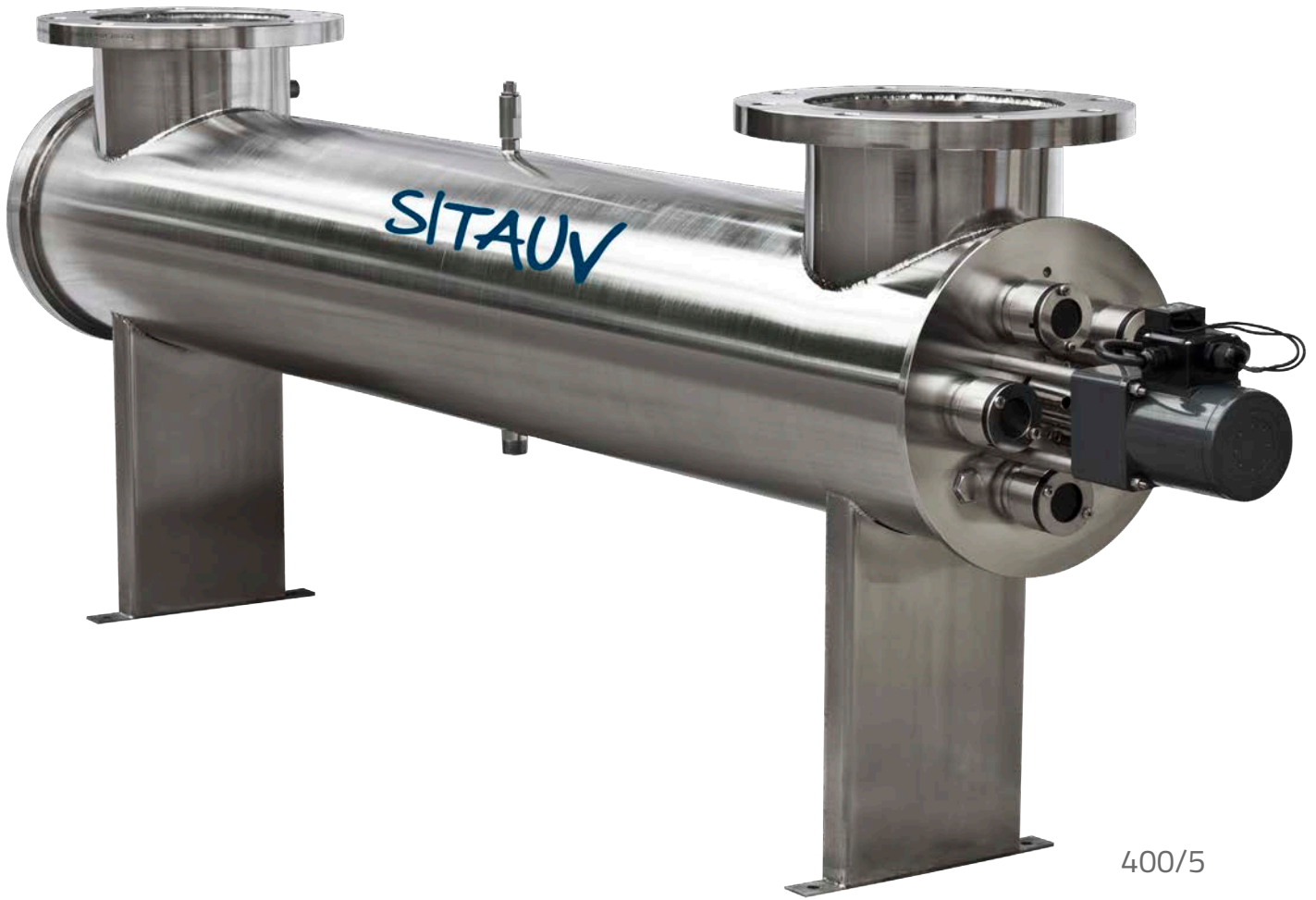


FOOD & BEVERAGE



Automatic cleaning system

400 SERIES	400/1	400/2	400/3	400/4	400/5	400/6	400/8	400/10	400/12	400/15	
Max. flow rate (m ³ /h)	50	100	150	250	300	420	600	830	980	1350	
UV-C dose @ UVT 97% - 1cm	> 400 J/m ² (16.000 h)										
Lamps	1	2	3	4	5	6	8	10	12	15	
Lamp life	16.000 hrs										
Lamp power regulation	✓ (50 - 100%)										
Manifold material	AISI 316 L										
IN-OUT connections (PN 10)	DN 80	DN 100	DN 150	DN 200	DN 200	DN 250	DN 250	DN 300	DN 350	DN 400	
Max. pressure	10 bar										
Openable side	✓										
Automatic Wiper	RA Version										
Electric panel	TC										
Electrical supply (on request)	230 V - 50/60 Hz (380/400 V - 50/60 Hz)										
Power consumption (W ± 2%)	440	880	1300	1750	2180	2600	3500	4400	5300	6600	
Electrical panel: dimensions (mm)	400x500x250		400x750x250		600x800x300			800x1000x300		800x1200x300	



400/5



TC PANEL

ELECTRICAL PANEL	TC
Protection degree	IP 54
SITA Touch-Screen (65000 colours)	✓
Multi language display	✓
Hour meters (system and lamp life)	✓
Alarm relay Free Contact NO / NC	✓
Digital outputs	✓
Display of Irradiation /temperature control	✓
Remote on/off	✓
4/20 mA output	✓
Timer ON/OFF	✓
Datalog – Events	✓
AN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)	✓
Remote access with App or WebGate	✓
UV dose calculation	On request
Lamp power regulation	✓
Flow meter input	✓
UVT meter input	✓
Flow and UVT duplication	Optional

SBT

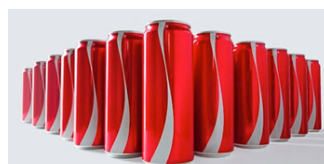
The a SBT Series is designed specifically for low UVT transmittance values. Thanks to high quality low and medium pressure lamps we have optimized the number of lamps in each UV reactor. All the models have an automatic cleaning system of the quartzes and eventually also a chemical cleaning of the reactor. The touch screen control panel is ideal for a complete integration with the main PLC of the water treatment. The UV sensor guarantee always a perfect UV disinfection control.



APPLICATIONS



ACQUE DI SCARICO
WASTE WATER



SOLUZIONI ZUCCHERINE
LIQUID SUGAR SOLUTION



SBT3135

SBT series	SBT 1101	SBT 2101	SBT 3106	SBT 4101	SBT 3115	SBT 3125	SBT 3135
Max. flow rate (m ³ /h)*	1,9	6,8	9,3	17,7	24,6	40,7	56
UVT Range	35-65%-1cm						
Lamps	1	1	1	1	1	1	1
Lamp life	9000	14000	10000	16000	10000		
Lamp power regulation	✗	✗	✓ (50 - 100%)				
Manifold material	SS 316L						
IN-OUT connections	1"	DN 50	2 1/2"	DN 65	DN 80	DN 80	DN 80
Max. pressure	10bar						
Auto Wiper	✗	✗	✓	✓	✓	✓	✓
Chemical cleaning system	✗	OPT					
Electrical Panel	LCD ²	RACK LCD ²	TC				
Electrical supply	230 Vac 1PH+N+E: 277Vac 1PH+N+E						
Power consumption (W ± 2%)	88	220	660	440	1660	2770	3880

medium quality waste water

ELECTRICAL PANEL	LCD ² /RACK LCD ²	TC
Protection degree	IP 54	IP 54
LCD ² Display (microprocessor control)	✓	✗
SITA Touch-Screen (65000 colours)	✗	✓
Multi language display	✗	✓
Hour meters (system and lamp life)	✓	✓
Red led of anomaly	✓	✗
Alarm relay Free Contact NO / NC	✓	✗
Digital outputs	✗	✓
Alarm relay 230 V NO / NC outlet – 2 A max	✓	✓
Display of Irradiation /temperature control	✓	✓
Remote on/off	✓	✓
4/20 mA output	Optional	✓
Timer ON/OFF	✓	✓
Datalog – Events	✗	✓
CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)	✗	✓
Remote access with App or WebGate	✗	✓
UV dose calculation	✗	Optional
Lamp power regulation	✗	✓
Flow meter input	✗	✓
UVT meter input	✗	✓
Flow and UVT duplication	✗	Optional



SBT4110

SBT series	SBT 4104	SBT 4106	SBT 4110	SBT 4116	SBT 4124	SBT 4132	SBT 4140
Max. flow rate (m ³ /h)*	79,6	122	207	332	515	690	874
UVT Range	35-65%-1cm						
Lamps	4	6	10	16	24	32	40
Lamp life	16000						
Manifold material	SS 316L						
IN-OUT connections	DN 150	DN 150	DN 200'	DN 250	DN 300	DN 400	DN 400
Max. pressure	10 bar						
Auto Wiper	✓	✓	✓	✓	✓	✓	✓
Chemical cleaning system	OPT						
Electrical Panel	TC						
Electrical supply	400 Vac + 3PH+N+E						
Power consumption (W ± 2%)	1770	2660	4440	7110	10660	14220	17770

medium quality waste water

HDPE

HDPE series is the best solution for corrosive liquids and sea water. UV reactor is made of a noncorrosive plastic: HDPE (high density polyethylene). Long life against corrosion and excellent disinfection are the main features of this series.



APPLICATIONS



NAVAL INDUSTRY



AQUARIUMS



AQUACULTURE



SWIMMING
POOLS



PE3-90

HDPE series	PE 3	PE 5	PE 8	PE 15	PE 22	PE 35	PE 45	PE 61	PE 90
Max. flow rate (m ³ /h)	3	5	8	15	22	35	45	61	90
UV-C dose @ UVT 99% - 1cm	> 400 J/m ²								
Lamps	1	1	2	2	3	4	5	2	3
Lamp life	9.000 hrs							14.000 hrs	
Manifold material	HDPE high density polyethylene								
IN-OUT connections (PN 6)	1 ½" F	1 ½" F	2 ½" F	2 ½" F	DN65	DN80	DN100	DN100	DN150
Max. pressure	6 bar								
Manual Wiper	×	×	×	×	Optional (RM version)				
Electrical Panel	LCD ²					RACK LCD ²			
Electrical supply	230 V - 50/60 Hz								
Power consumption (W ± 2%)	40	80	80	160	260	335	400	440	660
Electrical panel: dimensions (mm)	215x215x90				400x300x200			500x400x250	

ELECTRICAL PANEL	LCD ² /RACK LCD ²	TC
Protection degree	IP 54	IP 54
LCD ² Display (microprocessor control)	✓	✗
SITA Touch-Screen (65000 colours)	✗	✓
Multi language display	✗	✓
Hour meters (system and lamp life)	✓	✓
Red led of anomaly	✓	✗
Alarm relay Free Contact NO / NC	✓	✗
Digital outputs	✗	✓
Alarm relay 230 V NO / NC outlet – 2 A max	✓	✓
Display of Irradiation /temperature control	Only Plus Version	✓
Remote on/off	✓	✓
4/20 mA contact	Optional only for Plus Version	✓
Timer ON/OFF	✓	✓
Datalog – Events	✗	✓
CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)	✗	✓
Remote access with App or WebGate	✗	✓
UV dose calculation	✗	Optional only for Plus Version
Lamp power regulation	✗	✓
Flow meter input	✗	✓
UVT meter input	✗	✓
Flow and UVT duplication	✗	Optional



HDPE series	PE 110	PE 150	PE 250	PE 340	PE 470	PE 600	PE 830	PE 980
Max. flow rate (m ³ /h)	110	150	250	340	470	600	830	980
UV-C dose @ UVT 99% - 1cm	> 400 J/m ²							
Lamps	2	3	4	5	7	8	10	12
Lamp life	16.000 hrs							
Lamp power regulation	✓ (50 - 100%)							
Manifold material	HDPE high density polyethylene							
IN-OUT connections (PN 6)	DN150	DN200	DN250	DN250	DN300	DN350	DN400	DN450
Max. pressure	6 bar							4 bar
Manual/automatic Wiper	OPT							
Electrical Panel	TC							
Electrical supply (on request)	230 V – 50/60 Hz (380/400 V - 50/60 Hz)							
Power consumption (W ± 2%)	880	1300	1760	2180	3100	3500	4400	5300
Electrical panel: dimensions (mm)	400x500x300	400x750x250		600x800x250			800x1000x300	

SITA IT Validated Series is biosimetrically tested according Austrian norm: O-NORM 5873-1. This series fulfill the EPA requirements contained in the Ultra Violet Guidance Manual. Special mixing plates inside the stainless steel 316L UV reactor guarantee a correct distribution of the water as showed in our CFD software. Safe disinfection, low maintenance cost and full optional control panel are only some of the advantages of SITA UV IT series.



APPLICATIONS



DRINKING WATER



FOOD & BEVERAGE

ÖNORM M 5873-1
BIODOSIMETER TEST



UV 40 IT

IT series	UV 4 IT	UV 10 IT	UV 40 IT	UV 80 IT	UV 120 IT	UV 200 IT	UV 400 IT
Flow rate m ³ /h	3,72	13,98	42,40	72,24	127,15	200,85	322,70
UV-C dose	> 400 J/m ² (9.000 - 12.000 - 16.000 h)						
Lamps	1	1	6	2	3	4	6
Lamp life	9.000 hrs	12.000 hrs	9.000 hrs	16.000 hrs			
Lamp power regulation	✗	✗	✗	✓ (50 - 100%)			
Manifold material	AISI 316L						
IN/OUT (PN 10)	1" M	2" M	DN 100	DN 100	DN 150	DN 200	DN 250
Max. pressure	9 bar						
Automatic wiper	✗	✗	✓ Otp				
Electrical Panel	LCD ² PLUS	RACK LCD ² PLUS	TC				
Electrical supply	230 V - 50/60 Hz						
Power consumption (kW)	44	222	533	888	1333	1800	2700
Electrical Panel dimensions (mm)	215x215x90	300x400x200	400x500x250		400x750x250	400x750x250	600x800x300

LCD2 PANEL
UV 4 IT



RACK LCD2 PANEL
UV 10 IT



TC PANEL
UV 40 IT - UV 400 IT



ELECTRICAL PANEL

	LCD ² /RACK LCD ²	TC
Protection degree	IP 54	IP 54
LCD ² Display (microprocessor control)	✓	✗
SITA Touch-Screen (65000 colours)	✗	✓
Multi language display	✗	✓
Hour meters (system and lamp life)	✓	✓
Red led of anomaly	✓	✗
Alarm relay Free Contact NO / NC	✓	✓
Digital outputs	✗	✓
Alarm relay 230 V NO / NC outlet – 2 A max	✓	✓
Display of Irradiation /temperature control	✓	✓
Remote on/off	✓	✓
4/20 mA output	✓	✓
Timer ON/OFF	✓	✓
Datalog – Events	✗	✓
CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)	✗	✓
Remote access with App or WebGate	✗	✓
UV dose calculation	✗	Optional
Lamp power regulation	✗	✓ from 80 IT
UVT meter input	✗	✓
Flow and UVT duplication	✗	Optional

UV 400 IT



SMP3

SMP 3 is the solution for any SPA, private and small pool. All the benefits of a medium pressure lamps without any compromise. Same technology used in public pools is now available for small flow rates. Easy installation and long life technology. No more: Eyes redness, Chlorine pool smell, Skin irritation and drying, Allergies, Asthma.



APPLICATIONS



SWIMMING POOLS



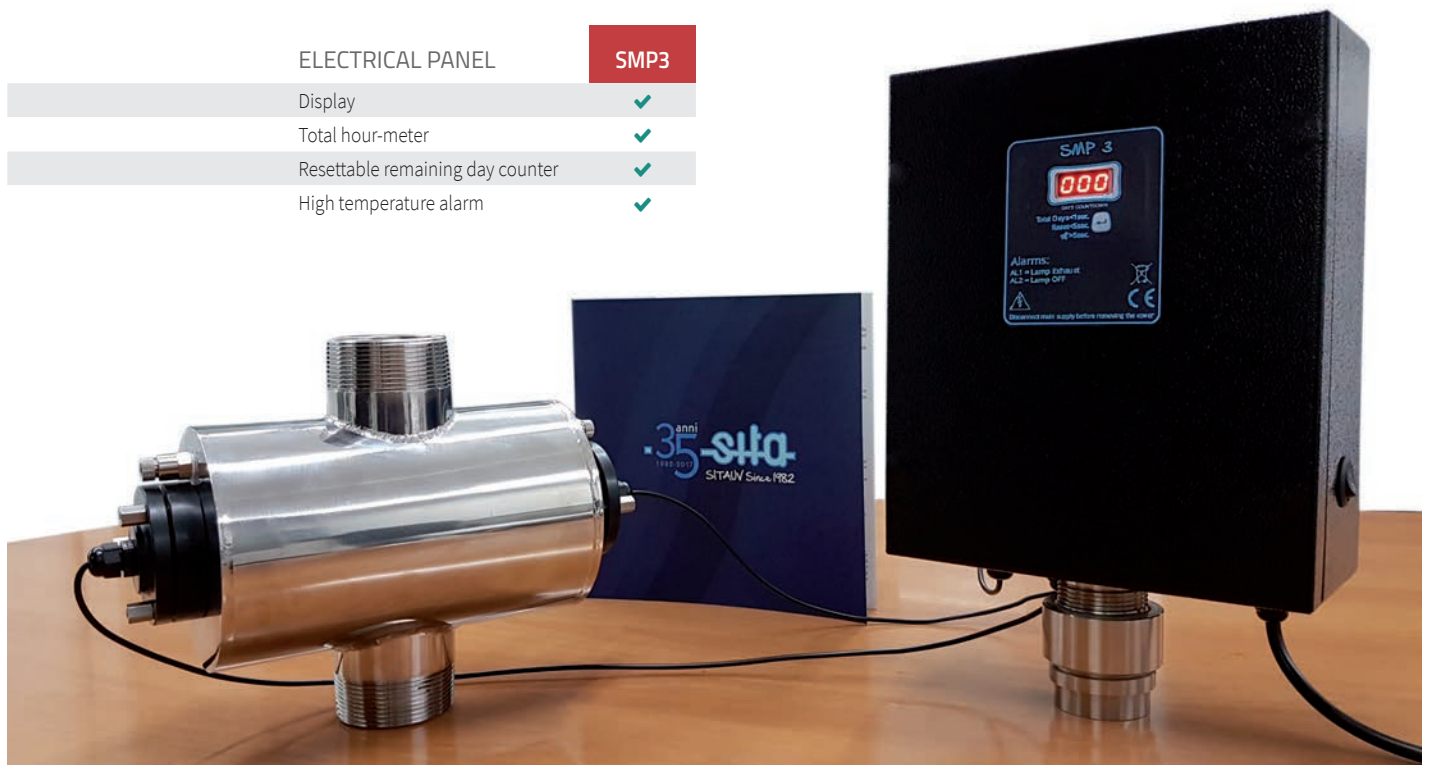
SPA & SMALL POOL

	Portata m ³ /h Flow rate m ³ /h	N. lampade No. of lamps	Vita lampada Lamp life	IN/OUT (PN 10)	Tensione alimentazione Supply volage
SMP SERIE	24*	1	6.000	2" M	230V-360Hz

ELECTRICAL PANEL

SMP3

Display	✓
Total hour-meter	✓
Resettable remaining day counter	✓
High temperature alarm	✓



SMP ECO

Our SMP (Sita Medium Pressure) ECOLINE version was created in order to fulfill the need for an high quality product in the public pool market, If correctly dimensioned this units are able to disinfect water through UV-C rays and to reduced the combined chlorine level of the pools creating a much better ambient and water quality.



SMP 6



SMP20 ECO NC

SMP ECO PANEL



ELECTRICAL PANEL

RACK LCD²

ELECTRICAL PANEL	RACK LCD ²
LCD ² Display (microprocessor control)	✓
Total hour-meter	✓
Resettable count down hour-meter	✓
Alarm red led	✓
Alarm relay Free Contact NO / NC	✓
Alarm relay 230 V NO / NC outlet – 2 A max	✓
On/Off Timer	✓
Remote On/Off contact	✓
Display of Irradiation /temperature control	✓
Shutdown for high temperature UV chamber	✓
4/20 mA contact	✓

SMP series XL	SMP 6 XL ECO	SMP 10 XL ECO	SMP 20 XL ECO	SMP 25 XL ECO	SMP 35 XL ECO
Flow rate m ³ /h	33	55	120	170	333
UV-C dose @ UVT 97% - 1cm	600 J/m ²				
Lamps	1	1	1	1	1
Lamp life	6.000 hrs				
Manifold material	AISI 316 L				
IN/OUT (PN 10)	2 ½”M	DN 100	DN 150	DN 200	DN 200
Max. pressure	10 bar				
Manual Wiper	Optional				
Electrical Panel	TC				
Electrical supply	230 V – 50/60 Hz		400 V 3ph+N+GND– 50/60 Hz		
Power consumption (kW)	0,66	1,1	2,2	2,7	3,9
Electrical panel: dimensions (mm)	400x500x250		400x750x300		

APPLICATIONS



NAVAL INDUSTRY



AQUACULTURE



SWIMMING
POOLS



LIQUID SUGAR SOLUTION



HORTICULTURE



SNOWMAKING



DRINKING WATER

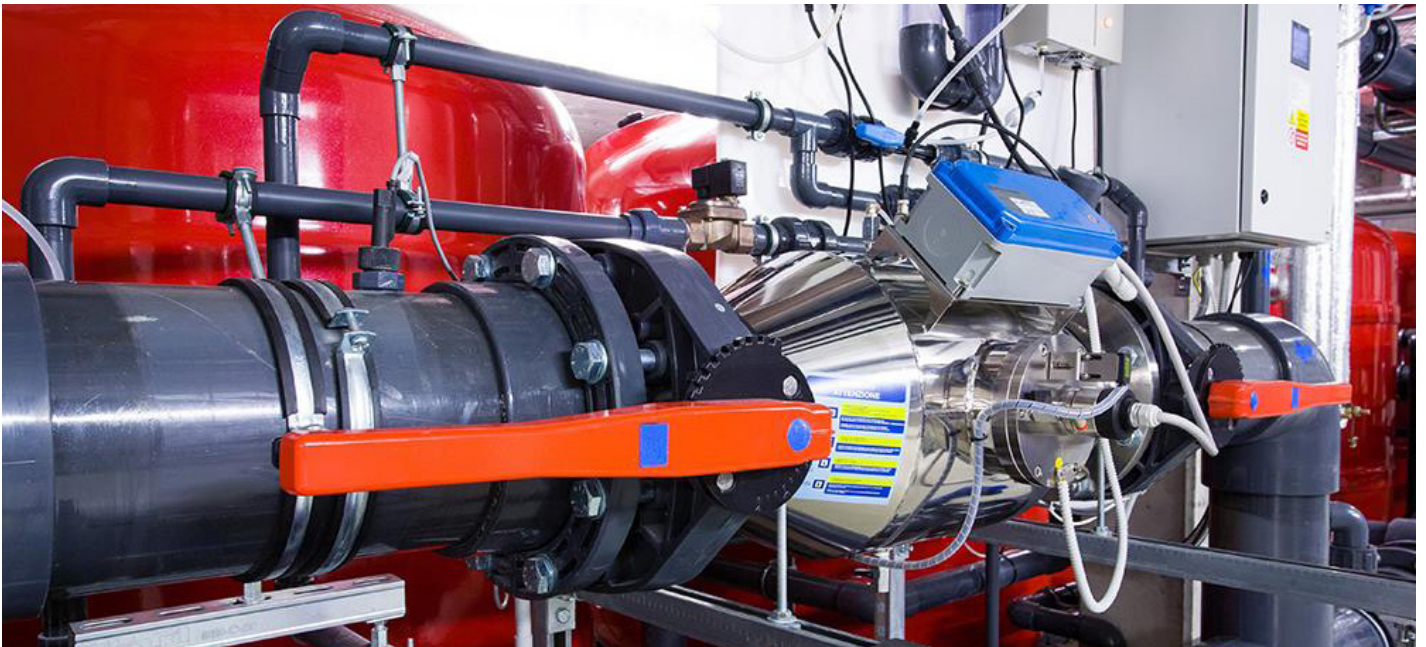
All the SITA SMP PR units are designed to optimized the lamp performances. Our electronic lamp driver is able to manage automatically the power of the lamp from 50 to 100%. The high-impact graphic display, available in two formats, makes very easy work on these units. The 316L stainless steel UV chamber is very compact to be installed even in very small technical rooms like on vessels. Max flow rate for this series is 1500 m³/h with 17 Kw



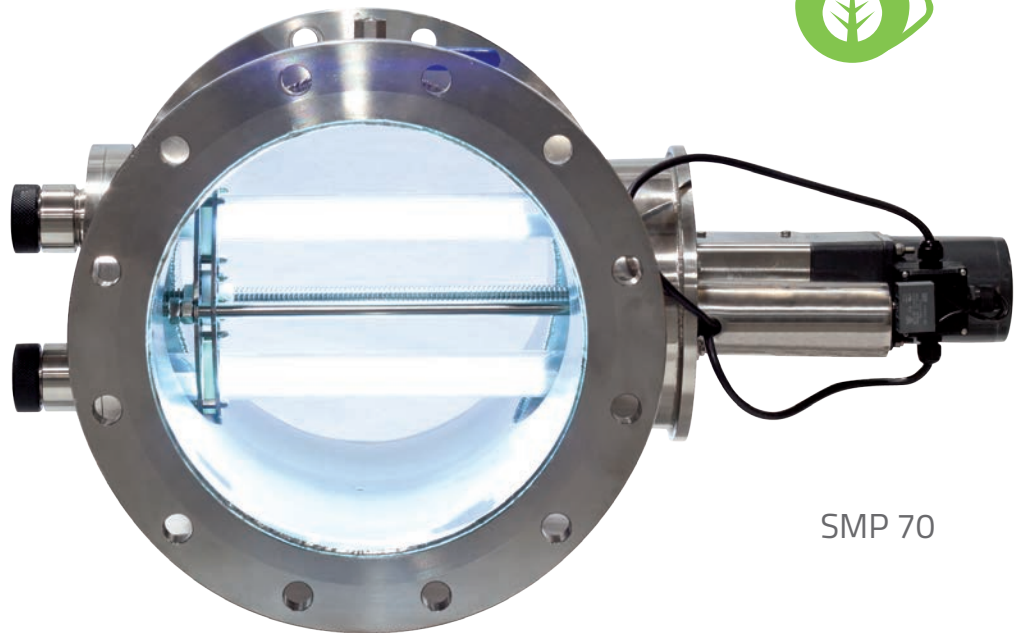
SMP 20 RA



SMP XL PR series	SMP 6 XL PR	SMP 10 XL PR	SMP 20 XL PR	SMP 25 XL PR	SMP 35 XL PR
Flow rate m ³ /h	33	55	120	170	333
UV-C dose @ UVT 99% - 1cm	> 600 -800 J/m ²				
Lamps	1	1	1	1	1
Lamp life	10.000 hrs				
Lamp power regulation	✓ (50 - 100%)				
Manifold material	AISI 316 L				
IN/OUT (PN 10)	2 ½" M	DN 100	DN 150	DN 200	DN 200
Max. pressure	10 bar				
Manual Wiper	Standard				
Electrical Panel	TC				
Electrical supply	230 V – 50/60 Hz				
Power consumption (kW)	0,66	1,1	2,2	2,7	3,9
Electrical panel: dimensions (mm)	400x500x250			400x750x300	



SERIE PR



SMP 70

SMP PR series	SMP 50 PR	SMP 70 PR	SMP 105 PR	SMP 140 PR	SMP 175 PR
Flow rate m ³ /h	350	500	750	1200	1500
UV-C dose @ UVT 99% - 1cm	> 600 - 800 J/m ²				
Lamps	2	2	3	4	5
Lamp life	10.000 hrs				
Lamp power regulation	✓ (50 - 100%)				
Manifold material	AISI 316 L				
IN/OUT (PN 10)	DN 200	DN 300	DN 300	DN 400	DN 500
Max. pressure	10 bar				
Manual Wiper	Standard				
Electrical Panel	TC				
Electrical supply	230 V - 50/60 Hz				
Power consumption (kW)	5,5	7,7	11,6	15,5	19
Electrical panel: dimensions (mm)	600x800x300			850x1000x400	

SMP PR

UP TO 4.000 m³/h

These are the biggest units produced by SITA. Medium pressure units with power up to 70 kW

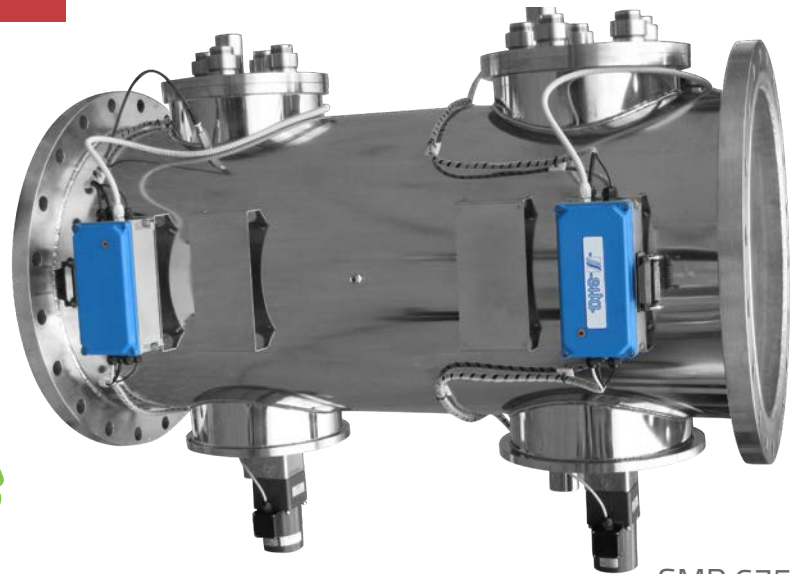
APPLICATIONS



NAVAL INDUSTRY



AQUACULTURE



SMP 675

SMP series	SMP 180	SMP 225	SMP 300	SMP 375	SMP 600	SMP 675
Lamps	6	3	4	5	8	9
Flow rate m ³ /h	depending on UVC transmittance					
Lamp life	10.000 hr					
IN/OUT (PN 10)	depending on flow rate					
Power consumption (kW)	20	26	35	44	71	80
Supply volgage	400 V 3ph+N+GND- 50/60 Hz					
Automatic Wiper	RA Version					



SERIE RM

ELECTRICAL PANEL

	TC
Protection degree	IP 54
SITA Touch-Screen (65000 colours)	✓
Multi language display	✓
Hour meters (system and lamp life)	✓
Alarm relay Free Contact NO / NC	✓
Digital outputs	✓
Display of Irradiation /temperature control	✓
Remote on/off	✓
4/20 mA contact	✓
Timer ON/OFF	✓
Datalog - Events	✓
CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)	✓
Remote access with App or WebGate	✓
UV dose calculation	✓
Lamp power regulation	✓
Flow meter input	✓
UVT meter input	✓
Flow and UVT duplication	Optional

UV POOL

The UV POOL series is specially designed for private swimming pools. Made by a stainless steel chamber and an electrical control panel with microprocessor, the POOL UV system present themselves as a simple and functional unit, ideal to obtain a better water quality in private pools. This series is suitable with every other pre-treatment.

APPLICATIONS



PRIVATE POOLS



ONLY FOR POOL



POOL 18

UV LCD2 Pool model	Pool 4 LCD	Pool 7 LCD	Pool 14 LCD	Pool18 LCD	Pool 34 LCD
Max. flow rate (m ³ /h)	4	7	14	18	34
UV-C dose @ UVT 98% - 1cm	> 250 J/m ² (9.000 h)				
Lamp life	9.000 hrs				
Lamps	1	1	1	1	2
IN-OUT connection	1 ½" M	2" M	2" M	2" M	2 ½" M
Manifold material	AISI 316 L				
Configuration	"Z" SHAPE				
Max. pressure (bar)	9				
Electrical supply	230V-50/60 Hz				
Electrical absorption (W)	40	40	80	80	160
Environment temperature (°C)	2 - 40				
Control panel model	LCD ²				
Electrical panel dimensions (mm)	215x215x90				

On series: LCD display, total hour-meter, resettable lamp hour-meter, fault red LED, NA/NC free contact, 230V (max 2A) - No/Nc free contact

The fields of application of this series of system are: waiting rooms, cinemas, operating rooms, hospital rooms, offices, school rooms, conditioning systems, private houses, food industries, pharmaceutical industries, laboratories, breeding farms.

MC SITAIR Series

It's the series characterized by equipments planned to work autonomously, or to be installed into existing air pipes; in the first case the air flow to be treated is forced by a fan, while in the second one the system is destined to the insertion in a pipe and it does not need a motor for its own.



SISTEMI A VENTILAZIONE FORZATA SITAIR MC FORCED AIR SYSTEM SITAIR MC

Model	Air flow (m ³ /h)	Power assorbtion (W)	Dimensions
SITAIR 250MC	250	80+48	L=130xØ=28 (cm)
SITAIR 350MC	350	120+48	L=130xØ=28 (cm)
SITAIR 450MC	450	160+48	L=130xØ=28 (cm)

MQ SITAIR Series

It's the series characterized by ceiling bowls in anodized aluminium, swinging, with a high reflecting power; for this specific application S.I.T.A. can use "shatterproof" UV lamp whose special coating ensures the absence of dispersion of fragments in the case of an accidental breakage of the quartz of the lamps themselves. The direct irradiation allows to disinfect and keep sterilized the exposed surfaces, both of a storage-room and objects and food that must keep sterilized. Disinfecting the food with UV irradiation allows to increase considerably its shelf-life.

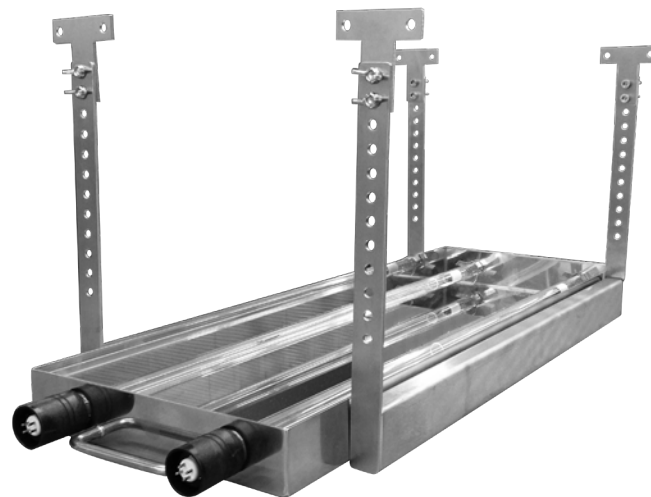


CEILING SYSTEM SITAIR MQ

Model	Irradiance (1m)	Power assorbtion (W)	Dimensions
SITAIR MQS 1/40	1400 mW/m ²	40	105x21x5 (cm)
SITAIR MQS 1/80	2800 mW/m ²	80	105x21x5 (cm)
SITAIR MQS 2/80	5600 mW/m ²	80	105x21x10 (cm)

UV BOX Series

UV BOX series is designed for the efficient disinfection of roller conveyors. It consists of a simple stainless steel box containing UVC lamps. It can be installed on top or on bottom of the rollers and UV BOX is adaptable to any type of roller conveyor plant.

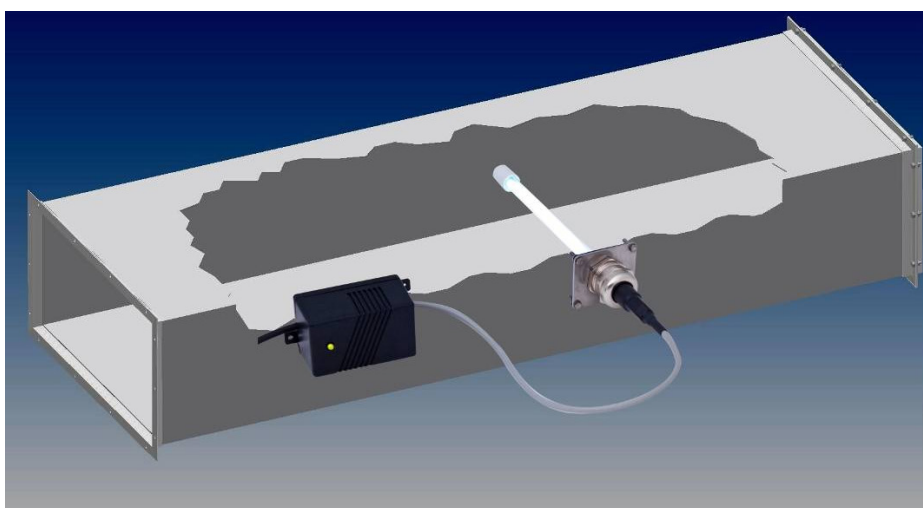


Model	No. of lamps	electrical absorption (+- 2%)	dimension	Irradiation (1m distance)
UV BOX 230	2	60 W	485x300x60 (cm)	146 mW/cm ²
UV BOX 240	2	80 W	874x300x60 (cm)	300 mW/cm ²
UV BOX 280	2	160 W	874x300x60 (cm)	540 mW/cm ²
UV BOX 430	4	120 W	485x300x60 (cm)	292 mW/cm ²
UV BOX 440	4	160 W	874x300x60 (cm)	600 mW/cm ²
UV BOX 480	4	320 W	874x300x60 (cm)	1080 mW/cm ²

SITAIR AIR UV

This series is characterized by easy equipments. This technology consists of a UV light stick lamp to be placed inside a civil and industrial intake air duct.

UV light clears and disinfects the indoor air from bacteria, virus and molds. In case of more models is possible to use a single control panel.



Model	No. of lamps	electrical absorption (+- 2%)	Max air speed	Min channel width
UV 403 AIR	1	16 W	4 m/s	317 mm
UV 405 AIR	1	30 W	4 m/s	390 mm
UV 412 AIR	1	40 W	4 m/s	795 mm
UV 80 AIR	1	80 W	4 m/s	795 mm
UV 150 AIR	1	150 W	4 m/s	1510 mm

Industrial filters of Genova series

With the filters of Genova series, S.I.T.A. proposes a range of equipments capable to satisfy the most particular exigencies. Stainless steel body, simpleness of building and possibility of use stainless steel cartridges (GE models), polypropylene or different material (GEM models), make the filters of Genova series one of the most complete and versatile ranges present on the market.

Optional:

- prearrangement for backwash
- internal anti-corrosion treatment
- modification for the use of cartridges E222 OR C3 Ø 45
- use of tri-clamp hydraulic connection
- customized sizing



APPLICABLE CARTRIDGES:

DOE
 With passing hole
 Any degree of filtration
 Any material
 Ext. Ø max. 70 mm
 Int. Ø min. 22 mm

ON REQUEST:

AISI 316 L manifold
 Internal anti-corrosion treatment
 Equipment for higher flow-rates



GEM 9/30

Manifold material: int/ext polished stainless steel	AISI 304 (316L)
Max. pressure	10 bar

FILTERS	GEM 3	GEM 5	GEM 7	GEM 9	GEM 13
Cartridges	3x 20"/30"/40"	5x 20"/30"/40"	7x 20"/30"/40"	9x 20"/30"/40"	13x 20"/30"/40"
IN/OUT Connections (M)	1 ½"M	2"M	2 ½"M	2 ½"M	3"M



APPLICABLE CARTRIDGES:

DOE
 With passing hole
 Any degree of filtration
 Any material
 Ext. Ø max. 63 mm
 Int. Ø min. 22 mm

ON REQUEST:

AISI 316 L manifold
 Anti-corrosion treatment internally
 Equipment for higher flow-rates
 Lifting system



GEM/S 20/40

AISI 304 (316L)

6 - 10 bar

FILTERS	GEM/S 17	GEM/S 20	GEM/S 25	GEM/S 35	GEM/S 40	GEM/S 60				
Cartridges	17x 20" / 30" / 40"	20x 20" / 30"	20x40"	25x20"	25x 30" / 40"	35x 30" / 40"	40x30"	40x40"	60x30"	60x40"
IN/OUT	DN 100	DN 100	DN 150	DN 100	DN 150	DN 150	DN 150	DN 200	DN 200	DN 200
Connections (M)	PN 10	PN 10	PN 10	PN 10	PN 10	PN 10	PN 10	PN 10	PN 6	PN 6

ON REQUEST:

AISI 316 L manifold

Disposition for treatment of hot water

Equipments for higher flow-rates

Filtering degree 150 or 300 µm



CX 35

CX 70

CX 100



GE 3/70

Manifold material: int/ext polished stainless steel	AISI 304 (316L)
Max. pressure	10 bar
Filter cartridges	AISI 316 L 50 µm

FILTERS	GE 1/35	GE 1/70	GE 1/100	GE 3/35	GE 3/70	GE 3/100
Max. flow-rate (m³/h)	16	32	45	50	95	135
Cartridges	1 CX35	1 CX70	1 CX100	3 CX35	3 CX70	3 CX100
IN/OUT connections	2" M	2" M	3" M	3" M	4" M	DN 100 PN 10

ON REQUEST:

AISI 316 L manifold
 Disposition for treatment of hot water
 Equipments for higher flow-rates
 Filtering degree 150 or 300 µm Lifting system



GE/S 5/100



CX 70 CX 100

Manifold material: int/ext polished stainless steel	AISI 304 (316L)
Max. pressure	6 - 10 bar
Filter cartridges	AISI 316 L 50 µm

FILTERS	GE 5/70	GE 5/100	GE 8/70	GE 8/100	GE 12/70	GE 12/100
Max. flow-rate (m³/h)	160	200	250	320	385	480
Cartridges	5 CX70	5 CX100	8 CX100	8 CX100	12 CX70	12 CX100
IN/OUT connections	DN 150 PN 10	DN 150 PN 10	DN 150 PN 6	DN 200 PN 6	DN 200 PN 6	DN 250 PN 6

Industrial basket

The basket filters (GE/CS models) are constructed in stainless steel AISI 304 or AISI 316, with internal removable basket with 800 µm. filtering degree. Three different dimensions ensure a range of flow rate from 30 to 90 m³/h. this type of containers is generally used as pre-filtration in the industrial field to filter process waters. A different version of basket filters is represented by bag filters (GE/S models), which result to be particularly suitable in the filtration of waters with high concentrations of suspended solids. The filtering bags are available with different filtering degrees.



GE/CS 130

Manifold material: int/ext polished stainless steel	AISI 304 (316L)
Max. pressure	10 bar
Degree of filtration	800 µm

FILTERS	GE/CS 130	GE/CS 160	GE/CS 230
Basket AISI 316 L	1 - Ø 130	1 - Ø 160	1 - Ø 230
Flow rate (m ³ /h)	30	50	90
IN/OUT connections	2"	2"	3"

GEM 222

Alimentary filters of 222 series

The series GEM 222 is made for cartridges cod. 3 (222). The filters is made by stainless steel 316L with tri-clamp connections. The internal polishing of the manifold and the particular care in the weldings guarantee a product without any coves which, as it is know, are areas of stagnation and bacterial proliferation.

APPLICABLE CARTRIDGES:

With E222 OR C3 connections
Any filtering degree
Any material



COD 3 - gem 222



GEM 222 7/20

Manifold material: int/ext polished stainless steel	AISI 316 L
Max. pressure	10 bar
Use of gaskets suitable for use with foodstuffs	SI/YES

FILTERS	GEM 222-1	GEM 222-3	GEM 222-5	GEM 222-7
Cartridges	10"/20"/30"	20"/30"	20"/30"	20"/30"/40"
IN/OUT CLAMP connections	3/4" DN 19	1 1/2" DN 38	2" DN 51	2" DN 51



MODEL	PURTREX	CARBON BLOCK	CP	CX	NYLON	CC10	CC/A 10	CC GAC
Filtration degree (µm)	1-5-10-25	5	1-5-10-25	50	50	25	0,1	5
Length (")	20-30-40	10-20	10-20-30-40	10	10	10	10	10
Material	Polipropilene Polypropylene	Carbone estruso Extruded carbon	Filo avvolto Coiled wire	S/S 304	Nylon	Carbone attivo Activated carbon	Carbone Carbon	Carbone attivo Activated carbon



CARTRIDGES FOR FP SERIES

MODEL	FP4	FP4	FP3	FP3
Material	Feltro Felt	Inox S/S	Feltro Felt	Inox S/S
Filtration degree (µm)	50	50	50	50
Flow-rate (m³/h)	10	12	5	7
Length (cm)	26.5	26.5	18.5	18.5

222 SERIES

Crimped filtration baffle in multi-layered polyester and borosilicate.



Model	Filtration (µm)
222 PB 20"	0,2
222 PB 20"	0,45

Ceramic filtration baffle.



Model	Filtration (µm)
222 CE 20"	0,45

Filtration baffle made of coiled wire.



Model	Filtration (µm)
222 CP 20"	1-3
222 CP 20"	5
222 CP 20"	10
222 CP 20"	25
222 CP 20"	50
222 CP 30"	1-3
222 CP 30"	5
222 CP 30"	10
222 CP 30"	25
222 CP 30"	50

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508A industrial control panels



EC Declaration of Conformity

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